

PDG Reviews Responsibilities

PDG review responsibilities as of July 19, 2019. Please refer to the *Responsibility* or *Reviews* tools in *Pdg Workspace* for the current assignment of review responsibilities.

Overseer	Coordinator	Review title and authors
Agashe	Barnett	Dynamical Electroweak Symmetry Breaking: Implications of the H0 K. Black, R.Sekhar Chivukula, M. Narain
Barnett		Axions and Other Similar Particles A. Ringwald, L. Rosenberg, G. Rybka
Barnett		CKM Quark-Mixing Matrix A. Ceccucci, Z. Ligeti, Y. Sakai
Barnett		Electroweak Model and Constraints on New Physics J. Erler, A. Freitas
Barnett		Extra Dimensions Searches Y. Gershtein, A. Pomarol
Barnett		Grand Unified Theories A. Hebecker, J. Hisano
Barnett		High Energy Soft QCD and Diffraction V. Khoze, M. Taševský
Barnett		Kinematics D. Miller, D.R. Tovey
Barnett		Lattice Quantum Chromodynamics S. Hashimoto, J. Laiho, S. Sharpe
Barnett		Leptonic Decays of Charged Pseudoscalar Mesons J. Rosner, S.L. Stone, R. Van de Water
Barnett		Leptoquarks S. Rolli, M. Tanabashi
Barnett		Online Particle Physics Information A. Holtkamp, M. Moskovic
Barnett		Quantum Chromodynamics J. Huston, K. Rabbertz, G. Zanderighi
Barnett		Quark Masses R.M. Barnett, L. Lellouch, A.V. Manohar
Barnett		Status of Higgs Boson Physics M. Carena, C. Grojean, M. Kado, V. Sharma
Barnett		Supersymmetric Model Assumptions R.M. Barnett
Barnett		Supersymmetry, Part I (Theory) B.C. Allanach, H.E. Haber
Barnett		Supersymmetry, Part II (Experiment)

		O. Buchmuller, P. de Jong
Barnett		W'-Boson Searches B. Dobrescu, S. Willocq
Barnett		Z'-Boson Searches B. Dobrescu, S. Willocq
Bauer	Yao	Monte Carlo Event Generators P. Nason, P. Skands
Beringer		Introduction J. Beringer
Beringer	Beringer	Resonances D.M. Asner, C. Hanhart, E. Klempf
Bettini		Atmospheric Cherenkov telescopes for high-energy gamma ray astronomy J. Holder
Bettini		Atmospheric fluorescence detectors L. Wiencke
Bettini		Coherent radio Cherenkov radiation detectors S. Klein
Bettini		Deep liquid detectors for rare processes K. Scholberg, C.W. Walter
Bettini		Free Quark Searches AUTHOR(S) TBD
Bettini		High-energy cosmic-ray hadron and gamma-ray detectors AUTHOR(S) TBD
Bettini		Introduction A. Bettini
Bettini		Large neutrino detectors AUTHOR(S) TBD
Bettini		Large time-projection chambers for rare event detection T. Shutt
Bettini		Low-radioactivity background techniques A. Piepke
Bettini		Neutrino Masses, Mixing, and Oscillations M. C.Gonzalez-Garcia, M. Yokoyama
Bettini		Neutrino telescopes U. Katz, C. Spiering
Bettini		Particle Detectors for Non-Accelerator Physics AUTHOR(S) TBD
Bettini		Sub-Kelvin detectors K.D. Irwin
Eidelman	Beringer	Bottomonium System S. Eidelman
Eidelman	Beringer	Charmonium System S. Eidelman
Eidelman	Beringer	K*(892) Masses and Mass Differences

		S. Eidelman
Eidelman	Beringer	Non-qqbar Mesons C. Amsler, C. Hanhart
Eidelman	Beringer	Pseudoscalar and Pseudovector Mesons in the 1400 MeV Region C. Amsler, A. Masoni
Eidelman	Beringer	Scalar Mesons below 2 GeV C. Amsler, S. Eidelman, T. Gutsche, C. Hanhart, S. Spanier
Eidelman	Beringer	Spectroscopy of Mesons Containing Two Heavy Quarks S. Eidelman, C. Hanhart, J. J. Hernández-Rey, R. Mitchell, S. Navas, C. Patrignani
Eidelman	Beringer	Width Determination of the Upsilon States S. Eidelman
Eidelman	Beringer	rho(1450) and rho(1700) S. Eidelman, G. Venanzoni
Eidelman	Beringer	rho(770) S. Eidelman, G. Venanzoni
Grab	Lin	Muon Decay Parameters W. Fetscher
Groom		Astrophysical Constants and Parameters D.E. Groom, D. Scott
Groom		Atomic and Nuclear Properties of Materials D.E. Groom
Groom		Commonly Used Radioactive Sources R. Firestone
Groom		Cosmic Rays J. Beatty, J. Matthews, S. Wakely
Groom		Electromagnetic Relations AUTHOR(S) TBD
Groom		Experimental Tests of Gravitational Theory T. Damour
Groom		Passage of Particles Through Matter D.E. Groom, S. Klein
Groom		Periodic Table of the Elements D.E. Groom
Groom		Radioactivity and Radiation Protection S. Roesler, M. Silari
Grunewald, Gurtu	Barnett	Anomalous W/Z Quartic Couplings (QGCs) M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Anomalous Z Z gamma, Z gamma gamma, and Z Z V Couplings M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Extraction of Triple Gauge Couplings (TGC's) M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Mass and Width of the W Boson M. Grunewald, A. Gurtu
Grunewald, Gurtu	Barnett	Z Boson M. Grunewald, A. Gurtu

Lin	Baryon Decay Parameters AUTHOR(S) TBD
Lin	CP Violation in K(L)0 Decays C.-J. Lin
Lin	CP Violation in K(S)0 - ζ 3pi AUTHOR(S) TBD
Lin	CPT Invariance Tests in Neutral Kaon Decay M. Antonelli, G. D'Ambrosio
Lin	Charged Kaon Mass AUTHOR(S) TBD
Lin	Dalitz Plot Parameters for K - ζ 3pi Decays AUTHOR(S) TBD
Lin	DeltaS = DeltaQ in K0 Decays C.-J. Lin
Lin	Form Factors for Radiative Pion and Kaon Decays M.A. Bychkov, G. D'Ambrosio
Lin	History Plots C.-J. Lin
Lin	Introductory Text to Neutrino Mixing M. Goodman
Lin	K**+- (lepton3) and K**0 (lepton3) Form Factors C.-J. Lin
Lin	Monte Carlo Neutrino Generators H. Gallagher, Y. Hayato
Lin	Muon Anomalous Magnetic Moment A. Höcker, W.J. Marciano
Lin	Neutrino Beam Lines at High-Energy Proton Synchrotrons C.-J. Lin
Lin	Neutrino Cross Section Measurements G.P. Zeller
Lin	Neutrino Properties A. Piepke, P. Vogel
Lin	Neutrinoless Double-beta Decay A. Piepke, P. Vogel
Lin	Number of Light Neutrino Types from Collider Experiments AUTHOR(S) TBD
Lin	Plots of Cross Sections and Related Quantities V.I. Belousov, O. Biebel, V.V. Ezhela, A.A. Godizov, M. Grünewald, V.A. Petrov, R.A. Ryutin, N.P. Tkachenko, O.V. Zenin
Lin	Radiative Hyperon Decays AUTHOR(S) TBD
Lin	Rare Kaon Decays L. Littenberg, G. Valencia
Lin	Structure Functions E. Aschenauer, R.S. Thorne, R. Yoshida
Lin	Structure Functions - additional figures E. Aschenauer, R.S. Thorne, R. Yoshida

Lin		Sum of Neutrino Masses K. Olive
Lin		Three-Neutrino Mixing Parameters M. Goodman
Lin		V(ud), V(us) the Cabibbo Angle, and CKM Unitarity E. Blucher, W.J. Marciano
Lin	Lin	Annihilation Cross Section Near M(Z) AUTHOR(S) TBD
Lin	Lin	Average Hadron Multiplicities in Hadronic e+ e- Annihilation Events AUTHOR(S) TBD
Lin	Lin	Pseudorapidity Distributions in p p and pbar p Interactions AUTHOR(S) TBD
Lin	Lin	Total Hadronic Cross Sections AUTHOR(S) TBD
Lin	Lin	sigma and R in e+ e- Collisions AUTHOR(S) TBD
Milstead	Barnett	Fragmentation Functions in e+ e-, e p, and p p Collisions O. Biebel, D. de Florian, D. Milstead, W. Vogelsang, A. Vogt
Milstead	Barnett	Magnetic Monopoles D. Milstead, E.J. Weinberg
Moenig	Pianori	tau Branching Fractions Sw. Banerjee, A. Lusiani
Moenig	Pianori	tau-Lepton Decay Parameters A. Stahl
Olive	Barnett, Groom	Big-Bang Cosmology K. Olive, J.A. Peacock
Olive	Barnett, Groom	Big-Bang Nucleosynthesis B. Fields, P. Molaro, S. Sarkar
Olive	Barnett, Groom	Cosmic Microwave Background D. Scott, G.F. Smoot
Olive	Barnett, Groom	Cosmological Parameters O. Lahav, A. Liddle
Olive	Barnett, Groom	Dark Energy D.H. Weinberg, M. White
Olive	Barnett, Groom	Dark Matter L. Baudis, S. Profumo
Olive	Barnett, Groom	Inflation J. Ellis, D. Wands
Olive	Barnett, Groom	Neutrinos in Cosmology J. Lesgourgues, L. Verde
Pianori		Accelerator Physics of Colliders M.J. Syphers, F. Zimmermann
Pianori		Accelerator-based neutrino detectors M.O. Wascko
Pianori		Calorimeters

	D.E. Groom
Pianori	Cherenkov detectors B.N. Ratcliff, J. Schwiening
Pianori	Electromagnetic calorimeters C. Woody, R.-Y. Zhu
Pianori	Energy loss and charge transport in gases F. Sauli, M. Titov
Pianori	Free electron drift velocities in liquid ionization chambers W. Walkowiak
Pianori	Gaseous detectors F. Sauli, M. Titov
Pianori	Hadronic calorimeters D.E. Groom
Pianori	High Rate Effects F. Sauli, M. Titov
Pianori	High-Energy Collider Parameters AUTHOR(S) TBD
Pianori	Inorganic scintillators C. Woody, R.-Y. Zhu
Pianori	Introduction AUTHOR(S) TBD
Pianori	Low-noise electronics H. Spieler
Pianori	Measurement of particle momenta in a uniform magnetic field Y. Makida
Pianori	Micro-Pattern Gas Detectors F. Sauli, M. Titov
Pianori	Monte Carlo Particle Numbering Scheme L. Garren, F. Krauss, C.-J. Lin, S. Navas, P. Richardson, T. Sjöstrand
Pianori	Monte Carlo Techniques G. Cowan
Pianori	Multi-Wire Proportional and Drift Chambers F. Sauli, M. Titov
Pianori	Naming Scheme for Hadrons V. Burkert, S. Eidelman, C. Hanhart, E. Klempert, R. Mitchell, U. Thoma, L. Tiator, R. Workman
Pianori	Organic scintillators K.F. Johnson
Pianori	Particle Detectors at Accelerators AUTHOR(S) TBD
Pianori	Photon detectors D. Chakraborty, T. Sumiyoshi
Pianori	Probability G. Cowan
Pianori	Resistive-plate chambers G. Aielli
Pianori	Semiconductor detectors H. Spieler

Pianori		Statistics G. Cowan
Pianori		Superconducting magnets for collider detectors Y. Makida
Pianori		Tests of Conservation Laws A. Pich, M. Ramsey-Musolf
Pianori		Time-projection chambers C. Lippmann
Pianori		Transition radiation detectors (TRD's) P. Nevski, A. Romanouk
Terning	Barnett	Searches for Quark and Lepton Compositeness K. Hikasa, M. Tanabashi, K. Terashi, N. Varelas
Wohl		Baryon Magnetic Moments C.G. Wohl
Wohl		Charmed Baryons C.G. Wohl
Wohl		Clebsch-Gordan Coefficients, Spherical Harmonics, and d Functions AUTHOR(S) TBD
Wohl		D(s)+ Branching Fractions J. Rosner, C.G. Wohl
Wohl		Electronic Structure of the Elements AUTHOR(S) TBD
Wohl		International System of Units (SI) AUTHOR(S) TBD
Wohl		Physical Constants C.G. Wohl
Wohl		SU(3) Isoscalar Factors and Representation Matrices AUTHOR(S) TBD
Wohl		SU(n) Multiplets and Young Diagrams C.G. Wohl
Workman		Lambda and Sigma Resonances E. Klempf
Workman		Sigma(1670) Region AUTHOR(S) TBD
Workman		Xi Resonances AUTHOR(S) TBD
Workman	Yao	N and Delta Resonances V. Burkert, E. Klempf, U. Thoma, L. Tiator, R. Workman
Workman	Yao	Pole Structure of the Lambda(1405) Region T. Hyodo, U.-G. Meißner
Yao		B0 – Bbar0 Mixing O. Schneider
Yao		CP Violation in the Quark Sector T. Gershon, Y. Nir
Yao		Cross-Section Formulae for Specific Processes

		H. Baer, R.N. Cahn
Yao		D0 – Dbar0 Mixing D.M. Asner, A. Schwartz
Yao		Determination of CKM angles from B hadrons T. Gershon, M. Kenzie, K. Trabelsi
Yao		Heavy Flavor Averaging Group T. Gershon, A. Schwartz
Yao		Heavy-Quark and Soft-Collinear Effective Theory C. Bauer, M. Neubert
Yao		Polarization in B Decays A.V. Gritsan, J. Smith
Yao		Production and Decay of b-flavored Hadrons P. Eerola, M. Kreps, Y. Kwon
Yao		Quark Model C. Amsler, T. DeGrand, B. Krusche
Yao		Review of Multibody Charm Analyses D.M. Asner, J. Rademacker
Yao		Semileptonic B Hadron Decays, Determination of V(cb) and V(ub) T. Mannel, P. Urquijo
Yao		Top Quark T. Liss, F. Maltoni, A. Quadrat
Yao	Yao	Other Particle Searches H. Baer, K. Hikasa
Zhu	Barnett	Pentaquarks M. Karliner, T. Skwarnicki
Zyla	Beringer	Branching Ratios of psi(2S) and chi(c)0(1,2) J. J. Hernández-Rey, S. Navas, C. Patrignani